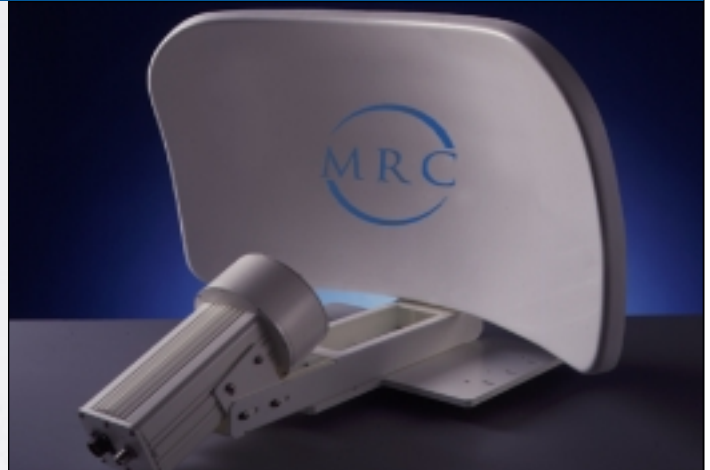


# ProStar 2A20/7A30

2A20/7A30 Transmit Antenna



## Applications

- Electronic News Gathering

## Features

- Low-profile, offset-feed design
- Honeycomb/fiberglass construction
- High gain
- Broadband and dual-band models:
  - ◆ Broadband: 2 and 2.5 GHz bands
  - ◆ Broadband: 6.425 to 7.125 GHz
  - ◆ Dual-band: 2/2.5 & 6.5/7 GHz
- Choice of polarization:
  - ◆ Right Circular
  - ◆ Left Circular
  - ◆ Vertical
  - ◆ Horizontal
- Remote polarization switching options
- Optional power supplies
- Excellent front to back and sidelobe performance

## Overview

The ProStar 2A20/7A30 is a low-profile, offset-fed antenna that is ideally suited for many broadcast microwave van applications. The reflector is constructed from honeycomb/fiberglass material that provides extreme ruggedness and light weight.

It is available as a single band antenna covering any one of the 1.8 GHz, 2/2.5 GHz or 7 GHz bands, or as a multiband antenna system covering both the 2/2.5 GHz and 6.5/7 GHz bands.

The feed design permits choices of linear or circular polarization with a full range of remote switching options. For quad polarization feeds, please refer to the 2A20SS and 7A30SS models. An optional mounting plate is available to interface with the QuickSet QPT90 pan and tilt head.

# SPECIFICATIONS

## GENERAL

Antenna Type: ..... Offset Fed Parabola  
 Model: ..... 2 GHz; 6.5/7 GHz  
 Frequency Range (GHz)1: ..... 1.99 to 2.5; 6.45 to 7.125  
 Gain, nominal2: ..... 20 dBi; 30 dBi  
 Beamwidth, Horizontal3: ..... 14°; 4.2°  
 Beamwidth, Vertical3: ..... 22°; 7.2°  
 Front to Back Rejection: ..... -25 dB minimum  
 Side Lobe Rejection: ..... -20 dB minimum  
 RF Connector: ..... "N" Female  
 1) ..... 1.7 to 1.85 and 2.3 to 2.7 GHz also available.  
 2) ..... Gain is for basic antenna net of switching options.  
 3) ..... HPBW specifications are mid-band.

## PHYSICAL CHARACTERISTICS

Reflector Size: ..... 29.5" h x 18.5" w (75 x 47 cm)  
 Weight: ..... 20 lbs (9.1 kg)  
 With Mounting Plate: ..... 27.4 lbs (12.5 kg)  
 Mounting: ..... Optional adapter plate for mounting to QuickSet QPT 90 pan and tilt head

## CONFIGURATIONS

2/2.5 GHz  
 Right Circular, Fixed  
 Left Circular, Fixed  
 Vertical, Fixed, (Horizontal Optional)  
 RCP/LCP, Remote Switchable  
 Vertical, Horizontal, Remote Switchable  
 6.5/7 GHz  
 Vertical, Horizontal, Remote Switchable  
 2 and 7 GHz  
 2 GHz Quad Polarization,  
 Remote Switchable  
 With 7GHz Fixed Vertical Polarization

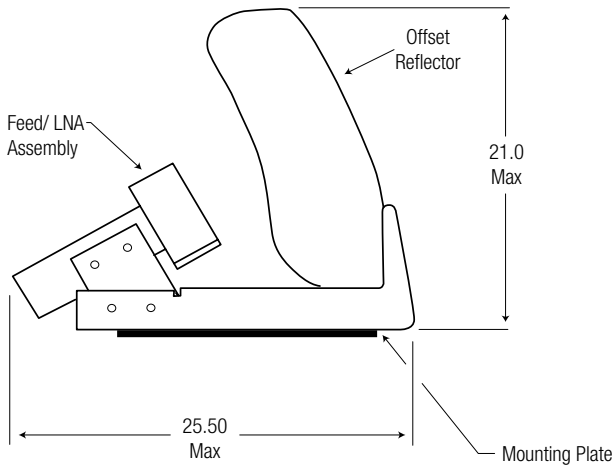
## OPTION

24 Vdc Power Supply with  
 Polarity Switch, Rack Mount

## QUICKSET PAN & TILT HEAD OPTIONS

QuickSet Pan/Tilt, including pots; 115 Vac  
 QuickSet Local Controller with AZ/EL  
 (no AZ/EL metering) and  
 Variable Speed Control; 230 Vac

Reflector Size - 18.5 x 29.5in



*ProStar 2A20, side view  
 Dimensions in inches*

